Perspectives of English Language Learners on Using Educational Mobile Applications (Apps)

at an English Language Institute in the United States

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Abstract

Through the increasing developments of mobile technologies, mobile devices have changed from communication means to tools for learning that motivate English language learners. They move learners from traditional learning environment into contexts that are free from time and space; and offer valuable support to the language learning. The aim of this qualitative study was to understand the perspectives of English as Second Language (ESL) students on using educational Mobile apps to improve their English language skills at an English language institute in the United States. The use of one-on-one interviews captured students' point of view and beliefs about the use of Mobile apps for improving their English language capacity. Findings showed that ESL students are satisfied with using mobile application for improving their English language capacity. They also indicated that in spite of the challenges ESL students faced when using mobile apps in learning, mobile apps could provide unique educational advantages to ESL students. This study has important implications for ESL students, teachers, and mobile app developers that may help effectively integrate mobile apps in the English language learning.

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Mobile applications and technologies for learning and teaching have a promising future and would potentially improve educational organizations' environments. The capabilities of mobile technologies and applications, along with their affordable prices, have enabled them to become ubiquitous. Recently the majority of world countries have access to mobile networks both in developing or developed countries. In 2010 International Telecommunication Union reported that in areas where infrastructure barriers people from using the Internet, a large number of people accessed the Internet through mobile devices. On the other hand, in areas where infrastructure is not a concern, the majority of people still perform many tasks, which relate to education, through mobile applications. Onishi (2008) states that Japanese authors, for instance, write various novels on mobile devices. Thus, half of the best-selling novels in 2007 were written by using mobile devices (Onishi, 2008).

Indeed, the use of mobile applications has positive effects on the way we work, socialize, learn, and live. We read books and articles, exchange emails, access Blackboard, and even interact with other classmates or teachers by using mobile apps. Thus, mobile applications allow us to complete many tasks at anytime and anywhere through a few touches and clicks (Pollara, 2011).

Recently, many educational organizations have noticed the rapid use of mobile applications by learners, who are increasingly using mobile devices to share information and knowledge. Several educational institutes and application developers have started to launch hundreds of educational mobile apps on different platforms, such as Apple store, Android, or Blackberry in order to meet the need for new learners. Therefore, the varieties of these apps would not just meet the learners' needs but would meet almost every matter in learners' lives.

For instance, mobile app developers provide learners with the best educational mobile apps to improve and enhance their English language skills. Therefore, English language learners can access and benefit from these applications anytime and anywhere.

In an effort to gain more insight to the use of technology in education, I conducted a qualitative study to explore the perspectives of English as Second Language (ESL) students on using educational Mobile apps to improve their English language skills at an English language institute in the United States. The use of one-on-one interviews captured students' point of view and beliefs about the use of Mobile apps for improving and enhancing their English language skills. The outcomes of this study could inform educators, students, and mobile applications developers about the current use of mobile apps for learning the English language. They could also uncover the factors that affect the perceptions of ESL learners toward the use of educational mobile applications for learning the English language. In addition, the results can help educators determine the best strategies to integrating mobile apps in learning and teaching. They also inform companies and mobile apps developers of the challenges and evolutions of current educational mobile apps.

Researcher Memo

Being an instructor at a university in Saudi Arabia and having an information Technology background translates into a lot of experience in the field of learning technology. I became aware that the recent learning technologies, such as mobile learning, could provide far reaching benefits for societies. It can make learning more effective and accessible. During the course of my employment, I have become passionate about integrating many educational technologies, such as mobile applications, into my classes. The interactive and effective use of mobile apps by my classes' students propelled in me the desire to further pursue education and

research in the field of mobile technology. In addition, as an international student I began my

academic career as an ESL learner and continue as a graduate student in the program of

Learning Technology Design Research. I have encountered some challenges through my

learning journey around the world. Some times, I struggle to break down language barriers,

and have to go back to check some applications in my iPhone. Indeed, smart phones and

tablets, such as Apple, Samsung, or Blackberry products, have become helpful tools and rich

with mobile apps. In addition, developers of mobile apps work hard to produce helpful apps

for learning the English language. The aim of these apps is to assist ESL students in their

journey of learning the English language.

Nevertheless, I am particularly curious about whether mobile apps for the English

language learning meet the learning needs for ESL students. I can see that ESL students in the

United States who have used mobile apps are valuable sources of information for researchers

and developers of mobile apps. I want to know their perspective about using mobile apps to

improve their English language skills. Experienced ESL students could provide valuable data

about the usability of mobile apps. This data may cover the ease of use, effectiveness,

flexibility, navigation, feedback, and advantages of mobile apps. In addition, experienced

students in mobile apps could choose certain apps that are the best in their opinion. Knowing

these apps would save time and money of other ESL students. According to Almasri (2011),

more than 65 % of ESL students used mobile apps that are recommended by their friends.

These recommendations are the result of positive experiences of using mobile apps. Thus,

ESL students, teachers, and mobile apps developers are interested in knowing the perspective

of other mobile apps users.

In order to discover the ESL students' perspective, this study aims to explore the

points of view of experienced ESL student users of mobile apps in an English institute in the United States. I am aware that many quantitative studies were conducted in the field of mobile apps for learning. However, current studies have not completely explored and investigated the potential of using mobile applications in learning the English language. In addition, I believe that studying the users' perspective is significant since mobile apps for learning is still in its infancy. I can see that both students and teachers have busy lives. However, they still use their mobile devices 24 hours for vocational, social, and learning purposes. Exploring the perspective of language learners toward educational mobile apps is a key that can help educators to know how easy and useful it is to integrate these technologies in classes. This study may also encourage other English language schools to support and implement mobile technology in their learning systems. This will lead to an increase in the freedom of learning English so it can be anytime, anywhere, and by using any devices that learners prefer.

Conceptual framework and Literature Review

Using George Mason University library databases, in particular the digital library EdITLib and Since Direct database, helped me find academic papers to inform my study. These resources covered many areas of mobile learning, including the arrival of mobile learning, an overview of mobile learning, mobile assisted language learning, and mobile applications (apps).

According to Pollara (2011), mobile technologies have changed from a luxury device to a necessity. When the need for mobile devices has increased, their prices have decreased. Besides the decrease of the cost of mobile devices, they have become tools that provide multi-functions, such as smartphone or iPod Touch (Almasri, 2012). These Mobile devices are

ubiquitous and related to all areas of our lives, including education. Thus, many educators and learners use mobile devices to seek their own learning and improve their skills (Pollare, 2011).

Kukulska-Hulme and Shield (2008) stated that a mobile learning device is any device that is a small and autonomous to carry any place and anytime. Ally (2009) similarly illustrated that the Mobile learning is the process of using mobile devices to study, learn materials and communicate with other students, teachers, or schools. In general, mobile learning devices refer to any portable devices that help learners through the use of formal or informal (apps) at anytime and anywhere (Almasri, 2012). Hence, the mobile learning approach has opened many fields of learning, particularly for the English language learning.

Mobile Learning

Learning through a mobile seems as a technological development that provides mobile devices the ability to be an educational tool. However, in the late 1960s Alan Kay established the concept of an educational mobile device. He envisioned a portable device for learners that was capable to display graphic and text similar to books (Najmi & Lee, 2009). In addition, Kay (1972) presented a paper that described an educational device that looks like the recent tablet devices such as iPad. In the years that followed the vision of Kay, a computer turned to be less costly and more personal. In the 1990s, the rapid advancement in technology resulted in generation of wireless devices such as phones and PDAs. Therefore, mobile device sizes and efficiency became manageable. The cost-efficiency for mobile devices also enabled many people to own wireless devices such as a cell phone.

According to Perifanou (2011), the rapid development of mobile technology resulted in the emergence of terms such as M-Learning or U-Learning. Ubiquitous learning is characterized by many parameters including u-behavior, u-contents, u-interface, and u-environment; while mobile technology is used for the purpose of education. The term Mobile

learning (M-learning) is more common for describing any educational activities that are delivered throughout mobile technology (Perifanou, 2011). An important matter is how the mobile technology has become a major part of our lives. How it also has been integrated in many educational contexts. Katz & Yablon (2009) states that today there more than 2 billion cellphones in service. Comparing the number of cellphone users to the around 700 million PC users shows the widespread usage of mobile devices around the world. According to Naish (2009), one in three children aged between 7 to 9 own a personal mobile phone. Thus the average age for individuals to own a cellphone is 8 years. Perifanou (2011) states that, today students might come to class without pens or exercise books, but not without their mobile device. Providing students with mobile devices can cover the way of learning for a lifetime. A study conducted by Roschell (2003) found that mobile learning devices helped students to adapt their mobile devices to suit their own learning needs. This study not only showed how mobile devices supported the individual learning needs. It also showed how mobile technologies changed the way that people learned and collaborated.

Benefits of Mobile Learning

According to Liu (2014), mobile devices have been developed to be mini computers that can be used by educators and learners for personal uses. Recently, the technological developments of mobile devices garnered the attention of educators for the benefits that these devices would offer to education and learning. These smart mobile devices can provide a combination of accessibility, flexibility, and interactivity with many online resources different than other traditional technologies, such as the computer (Liu, 2014).

In fact, the advantages of mobile devices are their portability and wireless connectivity. Their ability to be taken anywhere and then connect to the Internet will leads

users to not only gain information from the Web, but also allow them to create, manage,

organize, and share information at any time from any location (Chen & Huang, 2010, p. 70).

Inside classes students will also have the ability to access information from their devices in

order to assist their participations in class activities and discussions (Brown, 2011). In

addition, learners who are outside classes are able to use their devices on the bus or at the

mall; because of that students will extend their learning experience beyond the regular

classroom (Sha, Looi, Chen, Seow &Wong, 2012). The fast access feature to the Internet

through mobile devices will additionally support the learning context by relevant information

during the time of learning (Liu & Chu, 2010). The combination of accessibility and mobility

provides the opportunity to learners to connect to previous information, gain new information

and knowledge, and to improve the skills of problem solving (Liu, Tan, & Chu, 2009).

Guazzaroni (2013) stated that keeping the learners interested in what they are studying

and learning is an obvious concern for many educators. Advanced mobile devices allow

students to access to an interactive multimedia tool that engages students and improves their

learning (Guazzaroni, 2013; Looi et al., 2011). Smart mobile devices currently have many

features of digital production, such as an audio and video recorders as well as a professional

camera. In addition, there are countless attractive applications available on the Internet, with

an increasing number of educational applications. These multimedia characteristics of mobile

devices provide learners with interactive and collaboration practice materials with just a few

touches. Therefore, learners can enjoy reading and studying materials, recording audio, and

watching video. They can independently control the materials and receive the information at

their own pace. For instance, students are able to stop, play, and fast-forward based on their

learning process (Banister, 2010). These advantages provided by smart mobile devices allow

educators to motivate their students to improve and practice learning, and to personalize the

learning of students (Crouch & Johnson, 2011). This style of learning gives students sense of responsibility and ownership for their learning.

Challenges of Mobile Learning

While there are several advantages of using mobile devices, there are some challenges in the use of mobile devices in the education field. The integration of mobile devices into any learning system requires careful strategies and plans from all partners to achieve the administrative and pedagogical goals (Wang, Wiesemes, & Gibbons, 2012, p.575). Mobile technologies that are designed specifically for educational settings wouldn't have difficulties in their use. However, Brown (2011) illustrated that learning through mobile devices such as Apple, Samsung, or BlackBerry products, could be quite difficult; because of the small size of screen makes viewing documents and creating multimedia hard and limited to small contents. Additionally, the personalized feature and small size of mobile devices can also help students to turn easily from the assigned tasks to games or social apps without any detection. Educators and developers should develop ways to monitor the use of mobile devices to ensure learners are on-task (Banister, 2010). Moreover, instructors should take a part in managing students' devices in order to effectively engage students into class activities through mobile devices. For instance, teachers should check that students' devices are updated and charged in order to run appropriately for student (Banister, 2010).

Furthermore, teachers and students are facing some challenges in finding appropriate materials and resources to improve the learning activities. There is a continuous growth in the number of educational apps that target the English language students. This huge number of apps complicates the task of finding the appropriate app helps the learning context (Liu, Navarrete, & Wivagg, 2013). This increase in number of mobile apps provides an authentic

challenge for both learners and teachers.

Using Mobile Devices to Assist English Language Learners

According to Patten & Craig (2007) mobile devices are common tools in education and learning. One group of learners who will benefit from using mobile technologies, such as Apple products, is English Language Learners (ELL). ELL students are known as learners who speak different languages, such as Arabic, Spanish, Japanese, Chinese, and French, as their first language. Those students have different levels of English Language proficiency (Cummins, 2000). In fact, in the recent time mobile devices are widespread with ELL students from different cultures and backgrounds. However, young students use iPhone and iPod Apps while undergrad and grad students use iPad and laptops for learning (O'Mara & Laidlaw, 2011).

Mobile devices allow language students to be engaged in specific tasks that lead to increase their intellectual and social identities (Liu, 2012). If students have access to learning materials through the use of their own mobile devices, they will have the opportunity to manage and use their own learning style (Patten & Craig, 2007). In addition, Borrero & Yeh (2010) illustrated that the use of mobile technologies such as iPod or iPhone can help language students to improve their English skills. It provides students with opportunity to access into extra resources for the contexts. For example, peers interactions with mobile devices are a social resource that can help learners to extend the context of learning outside the classroom.

Moreover, Alsmari (2012) asserted that ESL students often tend to improve their English Language by using mobile apps in their own mobile devices instated of using a computer or laptop. For example, Transparent Language Company provided a successful

software package that helped ESL students to learn vocabulary by downloading the software in students' computers. However, due to the increase of using mobile apps for learning the English language, the company developed an effective mobile app instead of the successful PC software to be operated in students' mobile devices (Nashua, 2009).

Kukulska-Hulme and Shield (2008) asserted that using mobile devices and mobile apps in learning and education would spread in the near future. There are many considerations of learning styles in mobile learning. Such considerations lead students to use their mobile learning apps in various ways to assist their English learning practices. As the technology keeps growing, mobile apps companies have realized that mobile apps and devices provide lots of benefits to learners. Therefore, the companies work hard to develop their devices and apps to be easier and attractive to users (Almasri, 2012). In addition, mobile apps companies also recognized the benefits from the growing number of users of mobile apps resulting from developing easy and adaptable mobile learning apps that meets the needs of learners (Kukulska-Hulme, Traxler & Pettit, 2007)

The continuous development in mobile technologies and applications increases the number of users. Nowadays, the use of mobile apps is becoming more common. According to Laurillard (2007) there are many benefits of mobile apps for the English learners including the easy use of these technologies, the use in several situations, and the use in various mobile devices. Therefore, several types of users, including traditional and non-traditional learners, are now ready to gain the advantages of mobile apps for language learning that are downloaded in their own mobile devices.

Mobile Applications (Apps)

Almasri (2012) declared that there are thousands of mobile apps, in almost every

sector in our lives, available on the Internet. The services of these applications, for instance, benefit industries, banking, fun, education, media, and transportation. Such apps make our lives easier and simpler with just a few clicks. With these advanced mobile apps, Abdous (2012) stated that there is no longer a need to attend English schools to improve individuals' English language skills. Mobile apps will offer the opportunities to learn English with a few clicks in any place. In addition, thousands of mobile apps are available on the Internet for free, so this can be considered as an excellent opportunity to learn English in a simple and easy way.

There are several types of Mobile apps for the English learning available on the Internet. Learners, therefore, could choose the best apps that meet their learning needs. Almasri (2012) provided "SPEAK AND LISTEN" for Android as one of the famous mobile app for English. This app can help English learners to improve their English skills by using some templates of how English words would be pronounced and defined. In addition, Chen & Chang (2011) described a famous English app called "CARTON-FREE ENGLISH". This app uses their own methodology, which use pictures in illustrating words meanings, in teaching English Language. Another valuable app is " Guide to English Idioms". This mobile app is offered to Android users who interested in learning idioms. It provides variety of English idioms with explanations and exercises (Almasri, 2012). Moreover, there are hundreds of free mobile apps available in the online mobile apps stores that provide many strategies and methods to learn the English language in an easier way. Hence, mobile apps are a distinctive technology that might assist the English language learners during their language-learning journey.

Research Question

The question that was explored in this study is:

What are the perspectives of English as Second Language (ESL) students on using educational mobile applications to improve their English language skills at an English language institute in the United States?

Method

Participants

All participants are ESL students who use Mobile apps for learning and practicing English language in and out of classrooms. Participants are mixed gender and Arabic language is their first spoken language. They are studying English at a private Language institute in the United States. The institute provides several English language courses for international students. These programs include a general English course for beginner students, English for Academic purposes for intermediate students, and intensive English programs for advanced students.

Participant 1 is a female who has been studying English for more than a year at different English language schools. She is in the advanced level of English class at her school. Participant 2 is a male who is at the beginner level of the English language school. He is an experienced developer of mobile technology. Participant 3 is a female who has been studying English for almost six months in the United States. She just wants to get an English certificate form the institute. She is in the intermediate level of English classes at her school. Purposeful sampling (Maxwell 2013) was used in choosing participants. I knew participant 1 and the introduction to participants 2 and 3 was by snowball sampling (Maxwell 2013).

Data Collection

Before conducting the actual interviews with the participants, my interview procedures and questions were clearly reviewed by my critical friends. Their comments and suggestions provided valuable feedback what is problematic in my data collection method. In addition, I conducted a pilot interview with a fourth ESL student to be more confidence during the actual interviews and to collect more information that helped revise the interview protocols. This process helped me review my interview questions and use more simple, broad, and open-ended questions with the actual participants.

The data for this study was collected over one week. A one-to-one interview was conducted with each participant at their home to gain information about their perspective of using mobile apps in learning the English language. The interviews began by reviewing the purpose of the study and explaining the consent form. I used several open-ended questions to give the interviewees more freedom to say and express their opinions about mobile learning, in particular about educational mobile apps.

Therefore, participants provided rich information about mobile apps including both positive and negative perspectives. Interviews lasted between 38 minutes to 55 minutes (Table1). During the interviews I took some notes and tried to be a reflective listener. At the end of the interviews, I thanked the interviewees for their time and restated the expected usage of data and the purpose of the study. All interviews were recorded with permission from participants and deleted after I transcribed them.

	Date	Duration
Raniah	10/15/2014	38 minutes
Almoatasem	10/17/2014	55 minutes
Manal	10/18/2014	43 minutes

Data Analysis

The data collected from the interviews were analyzed carefully and systematically. The recordings were heard many times before starting transcription. Then each interview session was translated from Arabic to English. During the translation process, some verbal fillers were omitted such as uh and um. Each translated transcription was read several times to gain a full understanding of the data. I continued to analyze the data by concentrating on what is important to me in the transcriptions. Generally, I identified codes based on the how the participants feel about using mobile apps and the usage of mobile apps in learning the English language. Codes were arranged in a table and marked with different colors to simply identify themes and categories (Appendix A). During the process of identifying themes that results from my codes, I found that some codes are related to each other and could represent more than theme. Therefore, I included sample quotes of interviews into the coding table. The purpose of these quotes is to assist me to better clarify related codes and understand participants' perspective about educational mobile apps. A total of four categories emerged: satisfaction; challenges of educational advantages; using mobile apps; and influence. I took an additional step in my data analysis by providing a list of preferred mobile apps that provided by participants. The list is ordered alphabetically because there is no an instrument to measure what is the most effective and helpful mobile app (Appendix E).

Results

This study explored the perspectives of ESL students regarding the mobile apps for learning the English language. It was found that the three participants have affirmative perspectives about educational mobile apps in learning the English language. However, they have some negative opinions about the mobile apps. The data analysis resulted in a total of

four themes: satisfaction, educational advantages, challenges, and influence. Some of the themes confirmed the finding in the literature review about the challenges and benefits of mobile learning.

Satisfaction

Students' satisfaction about using mobile apps for learning the English language was a major theme that emerged from the data. The most important categories that emerged within the theme are included: enjoyment, extended learning, necessity, and effectiveness. All participants enjoyed using mobile apps for all learning contexts, in particular learning the English language. As Raniah described in saying "mobile apps are entertaining and educational at the same time. I love them because they are free and helped me in learning languages through games. They developed all my skills, reading, writing, listening, and speaking". Thus, mobile apps provide a fantastic content in a fun and educational way. Students thought that mobile apps offer engaging and fun ways of learning, communicating and connecting. For instance, Almoatasem showed the enjoyment of using mobile apps with "doing homework without using my mobile phone is boring and has no fun". Students agreed that mobile apps create a range of creativity and enjoyment.

Students asserted that learning anytime, and anywhere are the best description of learning throughout mobile apps. They thought that the mobility of portable devices extended their learning across contexts and school martials. As Manal clearly said about TED app " a little while of using TED app, I have noticed a great improvement in my listening skill. There are also many great things in this app. The contents themselves have supplied me with very meaningful life lessons". Thus, students believed that mobile learning is convenient because it is accessible from anywhere. It provided them also with a range of learning resources that

meet the variety of learning styles.

Although the aim of this study wasn't to measure the effectiveness of educational mobile apps, students agreed that mobile apps are effective learning tools inside and outside the classroom. They provide students with many features that keep students engaged and connected to the learning martials. For example, students liked the push notifications in their mobile apps because these notifications have informed them with new information related to the app and the learning content. These notifications provide relevant and valuable update to students even when the app is closed. As Manal illustrated in saying "The word of the day in the dictionary.com app is an effective way to learn a new vocabulary". Therefore, all students showed that mobile apps are engaging and fun for a more entertaining and effective learning experience.

Educational advantages

The educational advantages of using mobile apps for learning English was a major theme that developed form the data. Students believed that mobile apps provided them with a significant support during their English language learning courses. For example, Raniah clearly said "I downloaded English-English dictionaries and English-Arabic dictionaries as they can pronounce the words for me and give me examples". She preferred to be assisted by apps in her mobile device because they are "entertaining and educational at the same time". Raniah also described how listening to English audio books helped her in improving her listing and comprehensive abilities. Moreover, Manal said " I have used dictionary.com app for long time. It is one of the best dictionary apps I have used. I like that I am able to access the application without Internet connection. I use it daily to find synonyms and meaning for new words. It is super easy and fast to use even when I spell something wrong, the app

provide some suggestions lead to the exact word". She believed that mobile apps have improved her English language skills. Likewise, when Almoatasem described his use of Vocabulary.com app, he clearly said " this app helps me to learn vocabularies, I have noticed a difference in the way I write form only using it for approximately three months".

Besides the substantial support of mobile apps to ESL students, students asserted that mobile apps extended their learning. As Raniah described the gained benefits resulting from using GRE apps in saying " GRE apps were very helpful. I had to memorize some English vocabulary that are very technical … for the math section, the app gives me the basic rules in math that are repeatedly occurring in actual exam". In addition, Almotasem expressed his opinions about the use of mobile apps to extend his learning in saying " I use the camera app inside classes to capture important information on the board". He also used an audio note app to record and save important notes during a class time.

Similarity, mobile apps and learning games supported the learning in content areas. Students agreed that mobile devices provided them with references that they needed to complete their homework. As Almoatasem illustrated this well with his words " if I don't understand any lesson in school, I just use my cellphone to google it and read about it. If the lesson still unclear to me, I go to YouTube and I will find many videos that explain this difficult lesson to me". Thus, mobile apps provided students with variety of resources in different forms from simple texts to videos that relating to the content areas.

Challenges

The identified challenges of using mobile apps were a major theme that emerged form the data. The most important categories that emerged within the theme are included: technical issues, mobile apps developer issues, cost issues, and distraction. Students showed that while

the portability and size of mobile devices are advantages in some ways; they could be challenges in other ways. Students illustrated that viewing the information on a small screen almost challenged them. They prefer to use mobile devices with a bigger screen as what Raniah said, " I use my iPad mostly to read webpages because the screen is wider. I also like my iPad if I need to read an electronic book or magazine". In addition, the battery of mobile devices created a technical challenge for students. The frequent use of mobile apps quickly consumes the mobile battery. This technical issue worried students from totally depend on mobile devices for learning. As Almoatasem clearly described in saying "it is impossible for to go out without a mobile charger".

Students described that for issues of mobile apps developers, companies are not putting educational objectives as first priorities when designing an educational app. Raniah, for instance, obviously illustrated this issue with her words "most of the companies that develop language learning apps basically looking for money gain rather than educational goals". While there are lots of free mobile apps in apps stores, the majority of effective educational mobile apps are free for a limited time or specific levels. As Almotasem shown in saying " I don't like that there are some songs just for VIP members and we have to pay to get these songs". Moreover, while there are lots of educational mobile apps on the apps stores, students blame the mobile apps developers. Students presented that not all English language skills are equally supported by mobile apps. Most mobile apps developers concentrated on designing learning vocabulary, reading, and translation apps. As Manal clearly illustrated in saying "unfortunately, I can say that I couldn't find any particular apps for writing or speaking purposes".

Monitoring students' uses of mobile apps also identified as a challenge in using mobile apps. When students use mobile apps for educations purposes, they might open other social

media mobile apps. Students believed that wasted their times and made them lose their focus

on the academic use of mobile apps. As Manal described in saying "when I start using my

mobile apps, for example the dictionary, I have to turn to other applications like what's up or

Instagram to check updates and what my followers are doing". Likewise, Almotasem

suggested companies to design a smart phone for learning purposes only and users can't

download apps that might waste their times.

Influence

The identified influences on using educational mobile apps were a major theme that

emerged from the data. The most important categories that emerged within the theme are

negative influences and positive influences. Students stated that the use of mobile apps is

significant inside classrooms. However, there are opponent teachers who prohibit using

mobile devices inside classrooms. Raniah, for instance, said "some teachers still don't allow

their students to use their phones in the class". Likewise, Almoatasem believed that mobile

apps have helped him a lot for learning the English, but his teacher always says to him " you

will not learn the English if you keep using the mobile".

On the other hand, some teachers have a positive influence on the use of mobile apps

for their students. As Manal clearly said " one of my previous teacher introduced us to a

Quizlet – Flashcards and Study Tools app". She also stated that, " one teacher created

accounts for all my classmates in a Memrize app". Therefore, teachers play a significant role

in engaging students in using mobile apps. They are also the main factor for integrating

mobile apps in the English classes. In addition, the top rated apps on the App store positively

influences students. Students selected their educational mobile apps based on the app rating

and other customer reviews. As Raniah clearly said " I like to check the top rated educational

apps". Furthermore, another factor that introduced students to use mobile apps is their friends. As Manal illustrated in saying " I do know about mobile apps from Apple store top rated application, my friends, and teachers' suggestions".

Limitations and Validity Issues

A potential bias toward this study was related to my positive experience and own interest in technology. My information technology background brings to me that the best solution for many concerns is the integration of technology. In addition, the massive facilities and services that are brought to our lives through the use of technology, particularly the use of mobile apps in our lives may affect the study findings. Maxwell (2013) states that the subjectivity of a qualitative researcher can't be separated from his/her research. Understanding that the researcher's beliefs and expectations may influence his/her research is the key of an honest research (p.124). In addition, conducting a pilot interview with a forth ESL student helped me avoid leading questions, and review the interview questions to make the necessary changes in my study. Therefore, during the actual interviews process, I tried to not lead my interviewees, and left them to express their opinions freely. Moreover, while my data sources were limited to three interviews, I tried to triangulate the data sources by interviewing participants with three different levels of English proficiency. Participants are studying in the beginner, intermediate, and advance level of the English courses. In addition, reviewing the transcribed interviews and major themes of this study with participants provided me with opportunities to validate my interpretation of interviewees' perspectives (Maxwell, 2013, p.126).

Unfortunately, conducting the study in a short period of time was a main limitation of my study. However, during the process of conducting the study, I received valuable feedback

and suggestions from my critical friends in different levels of the study. Having unbiased review and feedback was very important to increase the validity of my study. It displayed the study to me from other lenses and different perspectives.

Discussion and Self-Critique

While the participants of this study were just three ESL students, they provided me with rich information about the use of mobile apps as a learning tool. This study increased my awareness of mobile learning weaknesses that I had no ideas about it before conduction this study. For example I hadn't clear ideas about challenges and difficulties in finding the appropriate educational mobile apps. I hadn't also considered the readiness of English language teachers to integrate such technology in their English classes.

The findings of this study have numerous implications for instructional designers, teachers, and students who use mobile devices as a learning tool. First, integrating mobile devices seems to positively impact students' learning process. Students with mobile devices may use them as an assisted learning tool in places where they wouldn't have access to other learning tools. In school, for instance, there are other technological resources; however, students prefer to use their mobile devices. In addition, since students have positive perspectives on using mobile apps to improve their learning skills, instructional technologists should rethink about the challenges that encountered mobile apps users. They have to provide guidelines that illustrate the best use of mobile apps for both teachers and students. This will motivate and convince students to gain the entire benefits of using mobile apps for learning purposes.

In fact, conducting this study wasn't an easy task for me as a learner qualitative scholar; it expended my horizon about an educational research. It provided me with a new

way of exploring different perspectives. This study explored my bias about using the technology in learning. I was expecting that all learners focus on Technology as a best way to assist their learning process. That was the main bias of me. Conducting a qualitative study taught me that a researcher should expect and respect different points of views and unexpected ideas.

Fortunately, I have learned various great lessons in doing this research starting form designing this research to writing the results of my research. For instance, I conducted some interviews using the Arabic language and presented the interview transcripts and findings of my study in the English language. I have noticed that some words exist in one language but not in English. Some concepts, expressions, idiomatic also were not equivalents in a different culture. There were some differences among languages in syntactical and grammatical structure. Therefore, I tried to be the translator and the researcher at the same time. Moreover, I have recognized the importance of writing analytical memos during the entire process of conducting my research. Although, my analytical memos were not well organized, they helped me understand and analyze the data. While coding and analyzing research data were interested to me, I have realized that researcher shouldn't take long breaks during the data analysis. Being away from the data for a long time consumes the researchers times, because they have to start reading and analyzing the entire documents from the beginning.   In conclusion, I really enjoyed studying and learning the qualitative research methods with Dr. Samaras, and I will apply all lessons that have been learnt in this course while continuing my academic journey.

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Appendix A

Themes identified from participants' interviews and sample Quotes

Themes	Categories	Description/codes	Sample quotes
Participant 1			
Satisfactions			
	Usefulness/ Effectiveness	Easy	Easiest way
		Fast	Fastest way
		Small light	Small and light in Wight
		Effective/Neat/Fast	Mobile is effective in finishing up my homework neat and fast
		Easy/Light/Quick/Accessible	I like it. It is easy, light, quick, and accessible from other device because now information is synchronized.
		Super easy/Fast	It is super easy and fast even when I spell some thing wrong
		Available	Available all the times
		Habit	It becomes part of my life as an every day habit
		Free applications	There are many free applications for learning.
		Easy to get	Mobile devices are easy to get comparing to laptops or PCs
		Save time	If I don't use mobile apps I think I would take more time in finishing up my school homework.
	Enjoyment	Prefer	I prefer use mobile, I do many things in only one device.
		Like	I like Memorize app, it uses pictures and texts
		Like	I have the ability to save talks for offline views. I like this feature… use TED in the Metro.
		Nice	I can email links to friends it is nice for sharing, TED
		Love	Love stories app, were good if you are interested in reading romantic stories.
		Prefer	I prefer visit newspaper apps
		Help	It helps me in correcting a wrong spelling, Google translate app
		One of best	I have used Dictionary.com for long time…It is one of the best dictionary apps I use.
		Like	I like that you are able to access the application without having Internet connection
		Like	I like also word of the day it is fun

		Fun Play	We had lots of fun in learning and plying simple game in Quizlet app
		Like	I like Chatting app 'What's up' app and Instagram app. They connected me to my family and friends
		Like	I like the competition in achieving higher grades among my classmates.
		One of the best	It is one of the best studying app you will ever get, Quizlet app
		Helpful	It is a very helpful application, Quizlet app
		Effective Helpful	It is really effective and helpful tool to memorize English words
	Extended learning	Learnt	I have learnt many meaningful life lessons
		Improvement	I noticed a great improvement in my listening
		Helped	Mobile device has helped me, because with mobile device it is easier to check anything, highlight, and write a comment, …ets. All of these are in one neat place without mess or heavy papers and notebooks.
	Necessity	Important	Definitely using mobile apps are important in school activities. I create my PowerPoint on my iPad and just send it to my email.
Educational advances			
	Significant Support	Memrize app	Memrize app, for new vocabularies
		Quizlet app	It is one of the best studying app you will ever get, Quizlet app
		Quizlet app	It is one of the best studying app you will ever get, Quizlet app
		Dictionary app	In writing essays I use a dictionary app to find types of word, and synonyms.
		Google translate app	I can draw words and then translate it (hand writing) Google translate app
		Dictionary app	In school, I check new words in digital dictionary
		Vocabulary	We have used Memrize primarily to study vocabulary
		Synonyms and meaning	I use it daily to find synonyms and meaning for new words
		Translating	Translating app
		Translating	Multilingual dictionary app

		Google translate app	Google dictionary app
		Listing skill, TED app	Listing skill, I use TED app
		TED app	TED is recommended by a teacher
		Stories app	Love stories app for reading
		Reading skills	TED gives a summary of the talk…reading
		Voice recognition	I use voice recognition in Google dictionary to check my pronunciation
		Pronunciation	I use my mobile to check my pronunciation for some English words
	Content learning/ Internet access	Chatting What's up app	What's up app to chat with family and friends
		Check email	To check emails regularly
		Browse the internet	To browse the Internet
		Banking	Banking use
		Games	Playing games apps
		Texting and calling	Texting and calling in English language
		Learning	I downloaded many apps for learning
Influence			
	Positive influence	Teacher	TED is recommended by a teacher
		Teacher	Teacher introduced us to Quizlet app
		Teachers	On teacher created accounts for all my class friends in Memrize app
		Teachers	Some teachers allow us to check the meanings of some word that we don't know their meaning
		Teachers	Some teachers introduced us to mobile apps and created some class activities using mobile apps such Memrize app.
		Apple store Friends Teachers	I do know about mobile apps from Apple store top rated applications, my friends, and teachers' suggestions
		Friends	My friend uses iPad as a presentation device
		Friends	Other friends are using a digital dictionary app for most the time
Challenges			
	Technical issues	Small screen	I do find the viewing experience much better via my iPad, widescreen
		Battery	Battery finishes fast
		Apps changed quickly	Apps are changed quickly and constantly… You need to be up-to-

			date all time
	Developer issues	Speaking and writing apps needed	No particular applications for speaking and writing
		Hard to find the right app	A verity of mobile apps makes it harder to find the appropriate app.
		No manual or tutorials	I need to read a lot to be able to use it correctly
		Needs multimedia	I think Memrize would be super amazing if they use video and images in learning
		Losing information	Likeliness of losing your whole information with only one click if you are not paying attention or don't understand the device language
		More Integration	We need to integrate mobile device in our education and make it essential in the learning process
		Pronunciations Apps are needed	Need apps specially for pronouncing word, if we don't have native to count their pronunciations.
		Grammar, punctuations, and plagiarism apps are needed	I suggest mobile apps developer to design apps for grammar, punctuations, and plagiarism.
		No creativities No attractiveness	I also suggest mobile apps developers paying more attention to creativity, and attractiveness for educational mobile applications.
	Cost issues	Pay	You have to upgrade your app and pay few dollars, love stories app
	Distractions	Turn to other apps	When I start using my mobile apps…I have to turn to other applications…" Social apps"
Participant 2			
Satisfaction			
	Enjoyment	Paperless	No need to carry your note book
		Paperless	No need to carry binders into classes
		Save time	It is one of the greatest innovations… it save lots of time.
		Save time	How many times you will consume to open dictionary and then look up for

			the meaning for new words.
		Save time	Saving my time and the fun in learning are the most things I do like in learning through mobile devices.
		Best friend	.. and my best friend
		Helpful	Audio and video clips are helpful
		Incredible	This app is incredible (Vocabulary. Com app). It helps me learning vocabularies.. I have noticed a difference in the way I write from using for approximately three months.
		Like	I like the Handwriting recognition … useful (Google translate)
		Like	I like the speech recognition it is fast and accurate.
		The best app	Google translate and Vocabulary.com are the best apps I own
		An amazing	A sing app is also an amazing mobile app
		Like Have fun	I like the feature that I can sing with other people… it has all my favorite song… I can record and show off or have fun.
		Like	I like it (Netflix app) because I can see movie with subtitles.
		Appropriate	This app (Netflix) is an appropriate app among thousand of app in stores.
		Like	I like my iPhone because it is smaller in size
		Useful	I downloaded very useful applications on both iPhone and iPad
		Really useful	Mobile devices are really useful as learning tools
		Fun	BBM groups are fun…I like it…one teacher created a group for our class..
		Thankful	Thank you for the one who invented mobile apps
		Like	I like also using my phone as many tools in one devices
		Like	I like to use Vocabulary.com app
		With out it: Boring/no fun/ time pass slowly	Doing homework without using mobile phone or technology is boring and has no fun… class time will pass slowly

	Effective ness	Like	This app is like no other
		Perfect	Google translate is a perfect alongside with Vocabulary.com
		Effective	The new mobile device is effective learning tool inside classrooms
	Necessity	Hard with out phone	It is hard to study English without using your smartphone.
		Important	My iPhone is like the air I breath
		Can't live without	I really cannot live without my cellphone
		Very necessary	Both of (iPhone and iPad) are very necessary for me
Educational advantages			
	Content learning	Check emails	.. you can check your emails..
		The most use: chatting/social media apps	The major use of my iPhone outside classrooms is for chatting with family and friends, Instagram, Facebook, and other social mobile apps
		Netflix app	I am using Netflix app on my iPad to watch movies, so no need to go to cinema.
		Chatting	Chat with your friends in overall the world
	Educational assistance/significant support	Google translate app/ translating	You can use Google translate if you don't know the meaning for new English words
		Vocabulary.com app	The best mobile app is Vocabulary.com app
		Vocabulary.com	I like to use Vocabulary.com app
		Recording/ Record lectures	I record the teacher speech when he starts speak quickly..
		Calculator/dictionary	My mobile is my calculator, my dictionary,
		Writing notes	Open note and write new vocabulary
		Help/assist	You don't need to ask your teacher or classmates for helping you doing a lesson exercise or homework.
		Helped	It helped me to better understand English
		Helped	This app helped me a lots in learning English
		Helped	I believe that using my mobile in the English classes has helped me a lot.

		Facilitate our lives	These technology facilitate our lives and I don't know how we were able to live without such advanced technology
		Take a photo for a board	Some times I snapshots the board and view it when I came back home.
		A sing app/ reading lyrics/ singing	I downloaded A sing app, it allows me to read the lyrics and then sing with voice recording.
		Reading/listening/pronunciation have improved	My reading, listening, pronunciation skills have been improved together (A sing app)
		Story app/ Reading has improved	My reading skill has been improved since I downloaded stories in my iPad.
		BBM group/	BBM groups are fun…I like it…one teacher created a group for our class..
		Translating/reading stories/watching movies/listening to news	I use my iPhone to translate, reading stories, watching movies, listening to news
	Extend learning	Another school	My cellphone is another school for me
		More reading/resources	If you don't understand…Google it and read about it in side the class.
		More explanation	Go to YouTube and find videos for more explanations
		Get the word roots/examples	You can get the word roots … noun, verb, adjective…. With example of their uses in full sentences
		Help to pronounce	Even if you find it quickly how can you pronounce it correctly
Challenges			
	Developer issue	Not an appropriate for speaking	Mobile devices IS NOT an appropriate tool for improving speaking skills
		Shortage for speaking apps	I didn't find any educational app that is used to improve my speaking skill.
		Lack of accuracy in long sentences.	I don't like (Google translate) in translating long sentences, they are not 100% accurate
		Direct translations	A mobile app that can recognize my speech and then translate it directly to any other language
		Need speaking apps	Pay more attention to mobile apps that can aid and improve the English speaking skill.

	Cost issue	Upgrade issues/ more payment	I don't like that there are some songs are just for VIP members and we have to pay to get these songs
	Technical issue	Screen size/ high resolutions	To find a smart phone with a suitable screen size and high quality resolution for learning purposes only
		Battery issue	A cellphone that has a long live battery
Influence			
	Positive influence	Social media websites	There is a website for Saudis students in America… you have no excuse if you visit this web site and still don't know educational mobile apps.
		Teachers	BBM groups are fun…I like it…one teacher created a group for our class..
		Teachers	Teachers are encouraging students to use their mobile devices to translate new words (in lower levels)
		Teachers	Teachers advised us to be away from using mobile in classes, they want us to speak up and ask.
		Differences in generations	Let's say students who are 40 years old and more don't use their mobile devices for learning English
		Friends	Other students are using their mobile devices similar to my usage.
	Negative influence	Teachers negative thoughts/opinions	Some teachers allow students to use iPad.. and prohibit using iPhone or any other cellphone.
		Differences in generations	Let's say students who are 40 years old and more don't use their mobile devices for learning English
Participant 3			
Challenges			
	Technical issues	Screen sizes	I use my iPad mostly to read webpages because the screen is wider
	Cost issue	Price issue	Rosetta Stone—although it is a little bit pricy
		Looking for money not education	Most companies are basically looking for money gain rather than educational goals.
	Developer issue	Writing apps	For writing I don't have anything in mind
		Attractiveness	I believe that developing interactive

			learning apps and using them in class would be of a great help especially in higher education
		More development	More systematic development for mobile apps is needed
		More research needs	More research needs to be done and more apps need to be designed based on academic basis.
		No enough apps	I think there is not enough apps in the market that are designed for learning English. More attention needs to be forwarded towards developing effective mobile apps.
		Teachers need to pay more attentions	Teachers are not concerned a lot about learning through mobile phone. Using mobile is basically personal…. Teachers need to pay more attention to what is beneficial for their students… more attention is needed
		Need Professional guidance from school	We really need a professional guidance from our school on how we implement technology in learning English
Educational advantages			
		Portable dictionary/ translating	I use it as a portable dictionary
		Searching for information	I also google whatever come to my mind at any place
		Daily organizer	I use my phone as my daily organizer. I use the calendar for my appointments
	Extended Learning	Alarm clock	I use my phone as an alarm clock
		A watch	I use it also as a watch
		Social media: Facebook/twitter /keek /and what's up	I also use it for social media program such as Instagram, Facebook, twitter, keek and what's up
		Games	I also have some games that I really enjoyed when I am feeling board…
		Financial apps/banking	I also use financial apps to check my bank account.
		Health apps/track weight gain/daily activities	I also have health apps … to track my weight gain and monitor my daily activities.
		Camera	I use my iPhone as a camera
		Writing daily dairies	I also write my daily dairies in my iPhone
		Radio apps	I downloaded… radio channels on my

			iPhone
		GRE apps	I downloaded GRE apps… by Kaplan
		Vocabulary apps	There are some applications that helped me in learning more vocabulary.
		Social media apps	I am more interested in social media apps
		Blackboard app	I also use blackboard to check my grades and assignments
		Duolingo app	Duolingo app. I love this app because it is a free app.
	More than English skills/ Significant Support Vocabulary Confidence Listing skill	Language through games: Reading/writing/ listening/speaking	It helps in learning language through games. It develops all my skills, reading, writing, listening and speaking
		ILETS apps/British Council Grammer/listening/speaking	I downloaded all apps that are provided by the British Council… they are designed to improve grammar… listening…speaking skills.
		Flash cards: More English vocabulary	Flashcards: this app enables me to create my own flashcards that help me in studying… I basically use it in learning more English vocabulary.
		Dictionaries apps	I also downloaded dictionaries which I really use every single day
		Dictionaries A-E/E-E pronounce/ example	I also downloaded English-English dictionaries and English – Arabic dictionaries. They are very helpful dictionaries as they can pronounce the words for me and give me examples.
		Self-esteem/ confidence	I feel free when using mobile apps. No one is watching what I am doing. No one will laugh at my terrible pronunciations of new words.
		Audio books/ improving my listening Helpful	Listing to audio books is really helpful in improving my listening abilities and my comprehension abilities.
Satisfaction			
	Enjoyment Availability	Helpful	They are very helpful
		No need for tutors	I didn't need to go to a tutor as many of my friends did
		Easy	I downloaded kid stories. I can read them or listen to them. They were easy for me as a beginner. I used to paly the

			story and try to read the written simultaneously.
		Dictionaries A-E/E-E Helpful/ pronounce/ example	I also downloaded English-English dictionaries and English – Arabic dictionaries. They are very helpful dictionaries as they can pronounce the words for me and give me examples.
		Useful	I believe mobile apps are very useful in language learning
		Audio books/ improving my listening Helpful	Listing to audio books is really helpful in improving my listening abilities and my comprehension abilities.
		Like	I like to listen to audio books especially when I am on a road trip.
		Entertaining	It is entertaining and educational at the same time
		Amazing/ necessary	All the apps in my phone are amazing and necessary
		Helps / no money	It really helps me a lots and it costs no money
		Mission US app: Love it/ amazing	Mission US: I love this app, it combines history with learning English… it is amazing.
		Roesetta Stone app The best language app	Rosetta Stone is the best language learning app ever
		Efficient / amazing	Rosetta Stone. It is very popular app… and many researches tested its efficiency and the results were amazing
		Really convenient	I used my phone to answer the exam because it was a multiple-choice exam. It was really convenient
		Helped me a lot	It helped me a lot in learning English
		Learning on the go/fun/effective	Rosetta Stone—this program makes learning on the go easy. It makes learning English fun. It an effective way to learn
		Fun/paperless	Flashcards—it is fun…I like paperless stuff.
		Learning on the go/the best	Learning English on the go is the best thing that mobile apps afford
		Easily	They are easily accessed through your phone
		Amazing and helpful	Mobile apps—they are just amazing and helpful.
		ILETS apps / effective	ILETS apps… were really effective

		Entertaining	Mobile apps provide us with entertaining kind of learning
		The best	Mobile apps for learning English are the best way to learn language
		More convenient	I use my mobile phone because it is more convenient.
		Anytime/anywhere	The pros of using mobile apps in learning English are more than the cons. Mobile apps available for anytime anywhere
		Easily	They are easily accessed through your phone
Influence			
	Positive influence	Friends/ top rated apps	Friends referred me to them. I also like to check top rated educational apps.
		Teachers	My teachers also refer me to the Rosetta stone app
		Friends / top rated apps	I think my friends are not different than me. We used mobile apps based on the top rated apps
		Friends recommendations	We some times do recommend some programs to each other.
	Negative influence	Some teacher are not interested	I find teachers not so interested engaging students to use apps in class. They still have the traditional thinking that phone are distracting if used in classes
		Learners think that distracting or time wasting.	The only shortcoming of using mobile apps in learning English is that most English language learners are not used to using phone for learning. They may find it distracting or time wasting.
		Teachers don't allow students	Some teachers still don't allow students to use their phones in class.

Appendix B

Interview Questions

❖ What do you want to tell me about yourself? Introduce yourself to me.

❖ How can you define mobile devices (cellphone, ipad, tablets,etc.) as a learning tool?

❖ What kind of cellphone you have? What usages do you use it for other than calling and
   texting?

❖ Tell me about your use of mobile devices to learn something new (elaborate)?

❖ Tell me how to use your mobile device to improve your English language (reading, writing,
   listening, and speaking)?

❖ Tell me about your preferred Apps that you use the most? Why?

❖ How about your favorite apps for learning English? Name some of them and why?

❖ How did you know about these educational apps?

❖ Do you think using your mobile device helped you learn English? Why or why not?

❖ How do you feel about doing school activities using your mobile device as compared to doing
   them without a mobile device?

❖ Tell me some of your experiences in using your mobile device in learning English?

❖ Tell me about things you like and dislike in using mobile device in learning English?

❖ How teachers encourage you to use your mobile for learning English language?

❖ Tell me about your use of your mobile device in your school and outside school?

❖ How do your friends use their own mobile devices in education?

❖ What ideas do you have to improve mobile apps for learning English language?

Appendix C

Interviews Transcripts: Raniah

❖ What do you want to tell me about yourself? Introduce yourself to me.

Hi. My name is Raniah. I am from Saudi Arabia. I came to the United States of America to study English and to go to graduate school. I am a married woman in my early thirties. I love studying in USA. When I first came to America, I stayed in Washington, DC for two days and then I moved to Tampa where I stayed for one year. I attended INTO USF. It is an advanced Academic English program. My native language is Arabic and I started learning English when I was about 12 years old. I was learning English for school as a foreign language. Before I came to the states I knew some English but studying here improved my English more and more.

❖ How can you define mobile devices (cellphone, ipad, tablets,etc.) as a learning tool?

My phone is like the air I breathe. I really cannot live without my cellphone. This is a good and a bad thing. But actually, cellphones facilitate our lives. I have an iphone and an Ipad. Both of them are very necessary for me. I use my ipad mostly to read webpages because the screen is wider. I also like my ipad if I need to read an electronic book or magazine. I also use face time to talk to my family almost every single day. Fortunately, my whole family back in Saudi Arabia use face time to talk to me. It really makes me feel better especially when homesickness attacks me. I like my iphone because it is smaller in size. I use it as a portable dictionary. I also google whatever come to my mind at any place. I downloaded very useful applications on

both my phone and my ipad. Mobile devices are really useful as learning tools.

Nowadays, there is nothing impossible to learn. Technology has facilitated our lives

and I do not know how we were able to live without such advanced technology.

❖ What kind of cellphone you have? What usages do you use it for other than calling and

texting?

As I told you before, I have an iphone. I also have a blackberry phone but I rarely use

it. I have two phone numbers. One is the Saudi number which I use rarely and the

other is my US number which I use daily and I have an unlimited internet access for it.

Besides calling and texting, I use my phone as my daily organizer. I use the calendar

for my appointments. I used my phone as an alarm clock. I also use it as a watch.

Every now and then I press the home button to check what time it is. I also use it for

social media programs such as Instagram, facebook, twitter, keek and whatsapp. I also

have some game apps that I really enjoyed when I am feeling bored or waiting at the

doctor's office. I also use financial apps to check my bank accounts. I also have health

apps that help me track my weight gain and monitor my daily activity. I also use my

phone as a camera. I no more use a personal camera, all my sweet memories are in my

phone. I also like to write down my daily diaries in my phone. I also use it as a radio. I

downloaded most of my favorite radio channels on my phone. I also downloaded

dictionaries which I really use every single day.

❖   Tell me about your use of mobile devices to learn something new (elaborate)?

As I told you before, I google everything I need to know. Two years ago, I needed to

take the GRE exam. It is an exam for graduate students who need to attend a graduate

school in the United States. It has two parts. One is math and the other is vocabulary. It was a very stressful exam and I needed to prepare myself for it. I downloaded GRE apps that are provided by Kaplan. They were very helpful. I had to memorize some English vocabulary that are very technical. And I used Kaplan flash cards to help me memorize more than 300 words. It gives me their definition and some examples. It also provided me with quizzes to evaluate my learning process. I did not need to go to a tutor as many of my friends did. I used these phone apps and they really really really helped. For the math section, the app gives me the basic rules in math that are repeatedly occurring in actual exams.

❖ Tell me how to use your mobile device to improve your English language (reading, writing, listening, and speaking)?

For reading skills, I downloaded kid stories apps. I can read them or listen to them. They were easy for me as a beginner. I used to play the story and try to read the written text simultaneously. I also downloaded English-English dictionaries and English- Arabic dictionaries. They are very useful dictionaries as they can pronounce the words for me and give me examples. There are also some applications that helped me in learning more vocabulary. Listening to English audio books is really helpful in improving my listening abilities and my comprehension abilities. I like to listen to audio books especially when I am on a road trip. I connect my phone to the speakers of my cars and then I play an audio book. It is entertaining and educational at the same time. For writing, I do not have anything in mind. But I can say that texting my American friends and calling them helps me to improve my English language.

❖ Tell me about your preferred Apps that you use the most? Why?

It is difficult to answer this question because all the apps on my phone are amazing

and necessary. Currently, I am more interested in social media apps because I am

away from my family and friends. These apps keeps me updated about what is new in

their lives. I also use blackboard app to check my grades and to submit my assignment.

Few days ago I had an online exam. It was a take home exam. I used my phone to

answer the exam because it was a multiple choice exam. It was really convenient. The

exam was published through the blackboared app. Let me check my phone so I can list

my favorite apps.

They are:

Duolingo app: I love this app because it is a free app. It helps in learning languages

through games. It develops all my skills, reading writing, listening and speaking. I

spend about 20 minutes a day learning through this program. It really helps me a lot

and it costs no money. There are many languages in this app, but I am interested in

English right now. I might use it in the future to learn French and German.

Mission US: I love this app because it combines history with learning English.

Actually it is a game. It encourages me to think fast and know amazing facts about the

American history. This helps me enrich my knowledge about the country I am

studying in. It also helps in developing my thinking, reading and recalling skills. It is

amazing.

❖ How about your favorite apps for learning English? Name some of them and why?

Rosetta Stone is the best language learning app ever. It is very popular app and it is

known among academic scholars and language learners. I have read many researches

that test the efficiency of this app and the results were amazing. I download it last year

and it helped me a lot in learning English. Although it is a little bit pricy, it really

deserves the cost. This program makes learning on the go easy. It makes learning

English fun. It is an effective way to learn.

Flashcards+: This app enables me to create my own flash cards that help me in

studying. I can customize my flash cards the way I like. Many people use it for other

subjects but I basically use it in learning more English vocabulary. It is fun and I do

not to have papers and cards. I like paperless stuff.

❖ How did you know about these educational apps?

Friends referred me to them. I also like to check the top rated educational apps. Every now

and then, there is a surprising app that really does an effective job. My teachers also refer me

to the rosetta stone app.

❖ Do you think using your mobile device helped you learn English? Why or why not?

Learning English on the go is the best thing that mobile apps afford. They are easily accessed

through your phone. I can check the app while drinking my favorite mocha drink at Starbucks.

They are just amazing and helpful.

❖ How do you feel about doing school activities using your mobile device as compared
to doing them without a mobile device?

Up to this moment, I find teachers not so much interested engaging students to use

apps in the class. I think they still have the traditional thinking that phones and phone

applications are distracting if used in the class. However, I believe that developing

interactive learning apps and using them in the class would be of a great help

especially in higher education. I do not think that there is a single student who does not have a smart phone. They become a necessity in our modern life.

❖ Tell me some of your experiences in using your mobile device in learning English? Before I came to the United States, I had to take the ILETS test. It is an exam that tests your English proficiency. To succeed in this exam, I downloaded all the apps that are provided by the British Council. These apps are developed to improve your English. Some of these apps are designated to improve your grammar; others are for listening and speaking skills. All these apps are produced by this company and they were really effective.

❖ Tell me about things you like and dislike in using mobile device in learning English? Actually the pros of using mobile apps for learning English are more than the cons. Mobile apps are available for you anytime anywhere. I believe that learning English is dependent more on outside-classroom activities. Mobile apps provide us with entertaining kind of learning. Unlike in a classroom, I feel free when using mobile apps. No one is watching what I am doing. No one will laugh at my terrible pronunciation of new words. Mobile apps really build my self-esteem. They made me more confident. The only shortcoming of using mobile phone apps in learning English is that most of English language learners are not used to using phones for learning. They may find it distracting or time wasting. But if you think seriously, you will find mobile apps for learning English are the best way to learn language.

❖ Tell me about the disadvantages and challenges of using Mobile device in learning language?

I think there is not enough apps in the market that are designed for learning English. More attention needs to be forwarded towards developing effective mobile apps. I think most of the companies that develop language learning apps are basically looking for money gain rather than educational goals. More research needs to be done and more apps need to be designed based on academic basis.

❖   How teachers encourage you to use your mobile for learning English language?

I think my teachers are not concerned a lot about learning through mobile phones. Using phones is basically personal. The student tries to find what suites him without professional guidance. Teachers need to pay more attention to what is beneficial for their students. They need to evaluate apps and recommend the best of them to their students. More attention is needed!

❖   Tell me about your use of your mobile device in your school and outside school?

As I told you before, I use my mobile phone because it is more convenient. I check my university email and my grades through my app. I use my phone for educational purposes more outside of school. In school, I basically listen to the teacher while lecturing. Some teachers still do not allow students to use their phones in the class. Sometimes I really need my phone to translate a new word or look up a definition of a technical term.

❖   How do your friends use their own mobile devices in education?

I think my friends are not different than me. We use mobile phone apps based on the top rated apps. It is just a personal choice that is not guided by professionals. We

sometimes do recommend some programs to each other. But I think we really need a professional guidance from our school on how to implement technology in learning English.

❖ What ideas do you have to improve mobile apps for learning English language?

I believe that mobile apps are very useful in language learning. More systematic development for mobile apps is needed. If possible, a research center on designing mobile apps is needed. People who are expert in technology should collaborate with experts in language learning in order to develop excellent programs. This research center needs to hold sessions that educate teachers on how to use mobile phone apps effectively within and outside of classrooms. In addition, I believe that a particular app should be compatible with different platforms. As I told you earlier, I have a blackberry phone but most of the English learning apps that I use on my iphone are not compatible with my blackberry. The availability of mobile phone should be used to benefit students not only in learning languages but in learning other academic skills that need continuous practice outside the walls of classrooms.

Interviews Transcripts: Manal

❖ What do you want to tell me about yourself? Introduce yourself to me.

I am an ESL student in the United States. I finished a high school in 2013 and travelled to the States to learn English and complete my study.

❖ How can you define mobile devices (cellphone, ipad, tablets,etc.) as a learning tool?

I define mobile device as a small and digital device that contains many applications help me to find information in the easiest and fastest way. It is also a device that available with me all

the time. This device becomes part of my life as an everyday habit.

❖ What kind of cellphone you have? What usages do you use it for other than calling and

texteting?

I have iPhone 5. I use it more for 'what's up 'application to chat with my friends. Also I use

it to check my emails regularly and surf the Internet if I need an address or a telephone

number for any place. I also use many applications in my iPhone for banking, playing,

translating, and learning as well.

❖   Tell me about your use of mobile devices to learn something new (elaborate)?

I have a multilingual dictionary application on my phone as a reference to look for the

meaning of some difficult words that I do not know. Because the phone is small and light in

weight I prefer to use it for many things in only one device.

❖ Tell me how to use your mobile device to improve your English language (reading,

writing, listening, and speaking)?

While I text or call someone as I am in the States now I speak in English. So, this is one way

in using mobile device in improving my English. I downloaded also many applications for

learning for example Memorize and Google dictionary. The Memrize application for

instance defines the new word with more pictures. Some times it provides just the word

definition.

❖ Tell me about your preferred Apps that you use the most? Why?

"what's up' chat application and Instagram. I like these two applications because they keep

me connected to my family and friends.

❖ How about your favorite apps for learning English? Name some of them and why?

For a listening skill, one of my teacher recommended TED application to me. A little while

of using TED application I noticed a great improvement in my listening. There are also

many great things in this App. The contents themselves have supplied me with very

meaningful life lessons. You have the ability to save talks for offline views. I like this

feature because I can use TED in the metro. It can also give you a summary of the video

when the talk occurred. Also if I like specific talks, I can email links to my friends and this

nice for sharing. However, I do find the viewing experience much better via my iPad. I used

to watch from my iPhone but not anymore as I do have my new iPad. Everyone should

watch and listen these talks to learn English as well as hearing different perspectives.

For the reading skill, I just used many applications for love stories and they were good apps

if you are interested in reading romantic stories. However, after getting into the story you

will be notable to complete reading for free. You have to upgrade your app and pay few

dollars. It is good but not the best. I prefer to visit newspaper websites and read their news. I

also use mobile dictionary for finding the types of word. For example in writing essays I

need to find some synonyms for common use words and what type of words is it (noun,

verb, adjective, or adverb). Unfortunately, I can say that I couldn't find particular apps for

writing or speaking purposes. However, I have used voice recognition feature in Google

translate to test my pronunciation for new words. So if the dictionary picked what I said that

means I pronounced the word correctly. The voice recognition also helps me when I hear a

word in English and don't know how to spell it. It will know it by saying it. I remember that

also Google translate allow you to draw (hand writing) and translate it as well.

❖ How did you know about these educational apps?

I do know about mobile apps from Apple store top rated applications, my friends, and

teachers' suggestions.

❖ Do you think using your mobile device helped you learn English? Why or why not?

Yes. Because with the mobile device it is easier to check anything, highlight, write a comment, …etc. All of these are in one neat place without mess or heavy papers and notebooks.

❖ How do you feel about doing school activities using your mobile device as compared to doing them without a mobile device?

Definitely mobile devices are important in school activities. Sometimes I create my PowerPoint on my ipad and just send it to my email. Also, with the wireless printer connecting easily to my mobile devices whether my cellphone or ipad and just click print and it prints in seconds. If I don't use mobile devices I think I would take more time in finishing up my school homework.

❖ Tell me some of your experiences of using your mobile device in learning English?

Maybe before I was using mobile device to go to English webpages to give me some phrases meaning that are used in the English books and novels. Now, I use it more to check pronunciation for some English words that I don not know. In addition, I have used many apps just for learning English. I have used Dictionary.com for long time. It is one of the best dictionary apps I use. I like that you are able to access the application without having Internet connection. I use it daily to find synonyms and meaning for new words. It's supper easy and fast to use even when I spell some thing wrong. The app finds some options to generate the correct word. I like also word of the day it is fun too.

One of my previous teachers also introduced us to Quizlet – flashcards and Study Tools app. We had lots of fun id learning and playing simple games in Quizlet. It is one of best studying app you will ever get. I use it every day for reviewing my flashcards, or searching for others who have already made sets. I can also quiz myself, test my memory with flashcards, paly matching games. It is a very helpful application.

One teacher also created accounts for all my class in Memrize mobile app. We have used this app primarily to study English vocabulary. I like the competition in achieving higher grades among my classmates. It is really an effective and helpful tool to keep me memorizing many English words. But I thing this app will be super amazing if they use videos and images in learning.

❖ Tell me about things you like and dislike in using mobile device in learning English?

Things I like: easy, light, quick, and accessible from any other device because now the information is synchronized. So, you can put your documents and all your school work in your account and just access it from any device, anywhere and anytime. Also, there are many free applications for learning. Beside that I think mobile devices are easy to get comparing to laptops or PCs.

Things I don't like: battery finishes fast. Likeliness of losing your whole information with only one click if you are not paying attention or don't understand the device language. Also, the variety of mobile apps makes harder to find the appropriate app. Some times, when I find the appropriate application, I need to read a lot to be able to use it correctly. Thing I don't like also in using mobile is that when I start using my mobile apps for example the Dictionary, I have to turn to other applications like what's up or instagram to check updates and what my following are doing.

❖ Tell me about the disadvantages and challenges of using Mobile device in learning language?

Advantage: effective in finishing up your work neat and fast.

Disadvantage: applications are invented and changed quickly and constantly. You have to be up-to-date all the time.

❖ How teachers encourage you to use your mobile for learning English language?

They allow us to check the meanings of some words that we don't know their meanings. Also, some of them have introduced us to mobile apps and started to create class activities on mobile app such as Memrize.

❖ Tell me about your use of your mobile device in your school and outside school?

In school, I use it as I check new words in the digital dictionary

Outside, I use it in social media to be connected and to connect to the world. To read the news and check what is new. Also, I use it to do homework in Memrize, listen to TED, paly games and social media apps.

❖ How do your friends use their own mobile devices in education?

One of my friends used the iPad as a presentation device for the class to present the information. The others using digital dictionary for most the time. Some of them are listening to music through their own mobiles.

❖ What ideas do you have to improve mobile apps for learning English language?

As this generation is born and digital devices are born too. So, what we need is to integrate those mobile devices in our education and make it essential in the learning process. There are many ideas and many programs to use. We can use programs for pronouncing words especially if we don't have natives to count on their pronunciation. Also, I suggest mobile app developer to design apps for grammar, speaking, punctuations, and plagiarism. I also want to suggest developers paying more attention to creativity, and attractiveness for educational applications.

Interview Transcripts: Almotasem

❖ What do you want to tell me about yourself? Introduce yourself to me.

I am Almoatasem from Saudi Arabia. I am a student at ELS D.C I have been in the United Stated for seven months. I came to the United States to learn English and then complete my study to get a bachelor degree in business administration.

❖ How can you define mobile devices (cellphone, ipad, tablets,etc.) as a learning tool?

A mobile device is one of the greatest innovations in this world. It saves lots of times for users. I can say that a mobile device is a mini computer that fits in a pocket. And through this smart device you can check emails and chat with friends in overall the world. Recently, you can do what ever you want to do through the use mobile apps. My mobile is my calculator, my dictionary, and my best friend. You can also open notes in your mobile and write new English vocabularies, so no need to carry your notebook anymore. Also you can use Google translate if you don't know the meaning of new English words. However, I can see other dictionary apps much better than Google translate. For example, I like to use Vocabulary.com app. This app helped me a lots. You can enter to the app and get the word roots, so you will know if the entered

word is noun, verb, adjective, or adverb. Beside that it will provide you with many

sentences as examples of the use of this word. This is my opinion about mobile app as

a learning tool.

Explain to me more:

The new mobile device is effective learning tool inside classrooms. I use my cellphone

all the time inside my classroom. Some times, when my teacher start teaching quickly,

I record the teacher's voice and when I get back home, I play what I did record in class

many times to understand what teacher said. This way helped me to better understand

many English lessons.

In addition, if I couldn't write what is written on the board, I use the cellphone camera

to picture it and then write it when I get home.

❖ Tell me how to use your mobile device to improve your English language (reading,

   writing, listening, and speaking)?

   At the beginning, if you don't understand any thing in school, just use your phone and

   google it and read about it. If it is still hard to understand, go to YouTube and for sure

   you will find more explanations. My cellphone is another school for me. I also

   download a radio app and listen to news every morning. Also audio and video clips are

   helpful. A downloaded also a Sing app in my iPhone. It allows me to read lyrics and

   then sing with voice recording. I can also join groups and we can sing together. So my

   reading, listening, and speaking skills have improved together. Texting my friends also

   has improved my writing skill. Unfortunately, I can say that the mobile device is not

   an appropriate tool for improving speaking skill. I didn't find any educational

   application that is used to improve my speaking. I noticed also my reading skill has

improved since I downloaded stories to my iPad. There is an app I didn't remember its

name right now, but this app can read stories and I just have to follow the story reader.

❖ Tell me about your preferred Apps that you use the most? Why?

Ok, the best mobile app in my opinion is vocabulary. Com. This app is incredible; it makes

you feel good about learning words. The definitions of words are explained well, written in

plain. I went online and created my own word list. This way I can learn words I see in

everyday reading as well as challenging words I'm not used to seeing. This app helps my learn

vocabulary, I have noticed a difference in the way I write from only using it for approximately

three months. I would recommend every English student to use this app. This learning

application is like no other. In addition, google translate is a perfect alongside with

Vocabulary.com. I like Handwriting recognition in google translate. It is probably useful if

you do not want to change keyboards to type in another languages. Also, I like the speech

recognition it is fast and accurate. These tow apps are the best apps I own.

There is a little thing I don't like in these tow apps. They are not 100% accurate in translating

full sentences. I don't depend on them in translating long and difficult sentences. In this case I

use them to get the whole ideas of the paragraph.

As I said earlier, Sing app is also an amazing mobile app. I like the feature that I can sing with

other people and how we can harmonize and select songs you want to sing. It has all my

favorite song and I can record and show off or have fun. This really has improved my

listening and speaking. But I don't like that there are some songs are just for VIP members

and we have to pay to get these songs.

I am using Netflix app on my iPad to watch movies, so no longer need to go AMC cinemas. I

like it because I can see movies with subtitles. This app helps me to fully understand English

movies. I also used to play some online games through my iPad when I was in Saudi, and the

English is the only way to communicate with other players. But since I came to the United

Stated I didn't find any free time to paly these online games.

I remember a story for Erick Thomas when he said, if you are a student and want to success in

your life, you have to leave your cellphone. However, I don't agree with him right now. There

are lots of benefits that are brought to us by new smartphones. It may be also because of

Thomas is not from our generation.

I will be honest with you, some times I agree with him. Many times inside the classroom,

when I start using my cellphone to find a definition or explanation for some new words, I turn

to check Instagram, Twitter, or Facebook.

However, you can guide the usage of mobile devices inside your classroom. You just allow

your students to use educational apps. My nephew is working in Information Technology

department in a Saudi company. They can monitor and limit the use of iPad, PC, or any

smartphones for the employees as long as they connected to the company Wi-Fi. So if

teachers use this new technology, I will be totally agreed to use smart phones inside

classroom.

- ❖ How about your favorite apps for learning English? Name some of them and why?

- ❖ How did you know about these educational apps?

All the apps in my iPhone and iPad were knew through my friends. Usually my friends tell me

about new applications or games. It is hard to find the appropriate app among thousands of

app in stores. Also there is a website called Saudis In America. You have no excuses if you

visit this website and still don't know new educational mobile apps. You will find every thing

you need during staying in America.

❖ Do you think using your mobile device helped you learn English? Why or why not?

❖ How do you feel about doing school activities using your mobile device as compared

to doing them without a mobile device?

Some times you don't need to ask your teacher or classmates for helping you doing lesson

exercises or homework. You can use your iPhone and start translating or watching videos on

YouTube. So it is hard to study English without using your smartphone. Also, if you use your

iPad you can access all subject Martials, no need for carrying folders and references into

classes.

In the other hand, I see doing homework without using mobile phone or technology generally

is boring and has no fun. The class time also will pass slowly. Imagine you are studying with a

huge dictionary on your disk and you need to translate a new word. How many times you will

spend to open this huge dictionary and then look up for the new word. Even if you find it

quickly how can you pronounce it correctly?

❖ Tell me some of your experiences of using your mobile device in learning English?

❖ Tell me about things you like and dislike in using mobile device in learning English?

Saving my time and the fun are the most things I do like in learning English through mobile devices. I registered in some BBM groups that are fan of soccer. These groups provide me with news of soccer players and matches all over the world. It also provide me with Video clips for amazing soccer goals. It is fun. I like it and have to visit these groups many times every day.

I also like using my mobile as many tools in one device. It has a professional camera, scientific calculation, voice memo, notes, and so on

Thank you for the one who invented mobile apps such as Tango, Face time, and Skype. I can contact my family in Saudi every day and it is for free.

❖ Tell me about the disadvantages and challenges of using Mobile device in learning language?

❖ How teachers encourage you to use your mobile for learning English language? First, when I have started studying English in the United States, I noticed that teachers' views about using mobile devices are different. In the lower levels of English teachers are encouraging students to use their mobile devices to translate new words and save them in memos. They want us to learn huge amount of vocabularies as much as we can. And when we started the intermediate levels teachers advised us to be away from using mobile or any technology inside classrooms. They want us to speak up and ask our classmates or teachers for help or more explanations. They also said that if it is necessary to use mobile dictionary or any other mobile app, use the English to English version. Do not use English to Arabic version. My teacher now doesn't want me to use my mobile inside her classroom. She said you will not learn English if you keep using it for learning English. I don't know why. I believe using mobile in English

class has helped me a lot. Some teachers also allow students to use iPad inside class
but prohibit using iPhone or any other cellphone. Maybe they think that students who
use cellphones are chatting or playing. I remember one teacher always bring a box and
ask students to put their cellphones inside the box when they enter the classroom.
When the class is over students can take their cellphones.

❖ Tell me about your use of your mobile device in your school and outside school? As I
told you before, I use my iPhone to translate, reading stories, watching movies, and
listening to news. However, the major use of my mobile phone out side schools is for
chatting with my friends and family, Instagram, Facebook, and other social mobile
apps.

❖ How do your friends use their own mobile devices in education?

The English course price in my school is cheaper than other English schools, so you
will find variety of students. In my classrooms we are tow types of students. Students
who are more than, let's say, 40 years old don't use their Mobile devices. Other
students are using their mobile devices similar to my usage. Sorry, I cannot say more
than this because unfortunately I don't have close friends in the United States.

❖ What ideas do you have to improve mobile apps for learning English language?

To find a smartphone with a suitable screen size and super resolution for learning
purposes only. No one can download social apps or games that may waste student's
time. Beside that, this new proposed cellphone has a long live battery. Do Imagine that
I cannot go out now without my wallet and my cellphone charger? Other idea is that,

to find a mobile app that can recognize my speech and then translate it to any other

language directly. So there will be no need to attend any English schools. If this is

impossible, I want mobile app developers to pay more attentions to mobile apps that

aid and improve the skill of English speaking.

Appendix D

Perspectives of English Language Learners on Using Educational Mobile Applications (Apps)

at an English Language Institute in the United States

CONSENT FORM

RESEARCH PROCEDURES

This research is being conducted to examine and study the viewpoints of ESL students regarding the use mobile Apps to improve their English language skills. If you agree to participate, you will be asked to participate in up to one-hour interview.

RISKS

There are no foreseeable risks for participating in this research.

BENEFITS

There are no benefits to you as a participant other than to further research.

CONFIDENTIALITY

The data in this study will be confidential. Upon completion of interviews, the interviews will be in the researcher's possession until coded, and only the researcher will have access to your data.

PARTICIPATION

Your participation is voluntary, and you may withdraw from the study at any time and for any reason. If you decide not to participate or if you withdraw from the study, there is no penalty or loss of benefits to which you are otherwise entitled. There are no costs to you or any other party. There will be no compensation for your participation.

ALTERNATIVES TO PARTICIPATION

For prospects who decide not to participate in the research, their data will not be collected and will not be included in the research study.

CONTACT

This research is being conducted Ahmad Almufarreh, Graduate School of Education at George Mason University. He may be reached at 571-331-7909 for questions or to report a research- related problem. The faculty advisor's name is Dr. Anastasia Samaras, 703-489-1663. You may contact the George Mason University Office of Research Subject Protections

at 703-993-4121 if you have questions or comments regarding your rights as a participant in the research.

This research has been reviewed according to George Mason University procedures governing your participation in this research.

CONSENT

I have read this form and agree to participate in this study:

Name _____ Date of Signature _____

Appendix E

Lists of Mobile Apps that have been used by participants to learn the English Language	
Mobile App	**Description**
Audio notes	Record new words
Camera	Capture lessons or explanations
Dectionary.com	English Dictionary
Duolingo	It allows users to: Learn a new language on the go through engaging mini-games
Google translate	It allows users to: Translate between languages. Listen to your translations spoken aloud Translate speech
GRE	It allows users to: To master most important GRE words and math equations
IELTS	Prepare users to take the IELTS exams
Love stories	Visual stories
Mission US	No description
Netflix	It allows users to: Watch TV episodes and movies anywhere anytime
Qizlet	It allows users to: Create flashcards or search millions that created by others. Study with images and audio Play games to study
Radio	Listing to news
Rosetta Stone	Help to improve all language skills effectively
TED	Watch fantastic talks on everything from modern values to futuristic technology. It host video lectures from TED conferences around the world
Vocabulary.com	It allows users to: Master words through a fun and addictive games
What's up	Social Media
You Tube	
Face Book	
Instagram	
Path	